

4228749

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PROGRESS SHEET

☐ SURFACE WATER ☒ GROUND WATER

NAME Water District 19		TELEPHONE Work: (206) 463-9007		Fax: (206) 463-1262	
ADDRESS P.O. Box T		(CITY) Vashon	(ST) WA	(ZIP CODE) 98070	
ASSIGNED TO (Contact) Jeffrey Larkin, District Manager		TELEPHONE #		DATE ASSIGNED	
ADDRESS		(CITY)	(ST)	(ZIP CODE)	
APPLICATION NO. G1-28250		PERMIT NO.		CERTIFICATE NO.	
DATE AMENDED		DATE CANCELLED		W.R.I.A	
APPLICATION					
DATE APPLICATION RECEIVED April 15, 2005		INITIAL \$10.00 FEE RECEIVED <input type="checkbox"/> YES <input type="checkbox"/> NO		DATE FEE RECEIVED	
STATEMENT OF ADDITIONAL EXAMINATION FEE		DATE SENT		DATE RECEIVED	
DATE RETURNED FOR COMPLETION OR CORRECTION		DATE RECEIVED			
TEMPORARY PERMIT					
APPROVED BY		DATE ISSUED			
PUBLICATION					
APPROVED BY		DATE APPROVED		DATE NOTICE SENT	
PROTESTED BY AND DATE					
DATE AFFIDAVIT RECEIVED CHECKED BY TIME EXPIRED DATE AMENDED NOTICE SENT DATE AFFIF RECEIVED					
DEPARTMENT OF GAME AND FISHERIES REPORT					
APPROVED		PROVISO		PROTEST	
EXAMINATION					
DATE EXAMINATION MADE		MADE BY	DATE REPORT OF EXAM. WRITTEN		WRITTEN BY CHECKED BY
DATE PERMIT FEE REQUESTED		AMOUNT DUE		DATE RECEIVED	
PERMIT					
PERMIT APPROVED BY DW		DATE APPROVED 4/29/2005		PERMIT NO. DATE ISSUED	
BEGINNING OF CONSTRUCTION					
DATE NOTICE SENT		DATE FILED		EXTENSION FEE	
EXTENDED TO		EXTENDED TO			
WELL DRILLER'S AND/OR CONSTRUCTION REPORT					
DATE SENT		DATE FILED			
COMPLETION OF CONSTRUCTION					
DATE NOTICE SENT		DATE FILED		EXTENSION FEE	
EXTENDED TO		EXTENDED TO			
PROOF OF APPROPRIATION					
DATE SENT		DATE FILED		EXTENSION FEE EXTENDED TO	
DATE CERTIFICATE FEE REQUESTED		AMOUNT DUE	DATE RECEIVED		DATE APPROVED FOR CERTIF BY
CERTIFICATION					
PROOF EXAM REQUIRED [] YES [] NO		CERTIFICATE NUMBER		DATE ISSUED	

TAX PARCEL ID:



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

April 29, 2005

CERTIFIED MAIL

7004 0750 0001 8363 5009

Mr. Jeffery Lakin
General Manager
King County Water District No. 19
P.O. Box T
Vashon, WA 98070

Re: Emergency Drought Application G1-28250 – King County Water District 19

In accordance with the provisions of RCW 43.83B.405, on March 10, 2005, it was ordered and determined by the Director of the Department of Ecology that the State of Washington is under drought conditions. In accordance with the provisions of WAC 173-166-060, the Department of Ecology is under the terms of this Order issuing an EMERGENCY DROUGHT PERMIT. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

Background

King County Water District 19 has requested authorization under Chapter 43.83B RCW and Chapter 173-166 WAC to use an alternative groundwater source based on drought low flow conditions now being encountered and projected to affect their public water system through the summer months.

The district holds three certificates of water rights providing a total of 878 gpm of instantaneous pumping capacity (Qi). At present (April 2005), due to the failure of their existing production well (Well #2) and unusually low stream flows, the district is currently able to supply only approximately 76% of its system capacity and is projected to be able to use approximately 71% during August of 2005 (Table 1), assuming they continue to pump at current levels from Wells 1 and 2.

Table 1: District 19 Source Analysis – 2005 Drought

Cert #	Priority Date	Qi (gpm)	Qa (afy)	Source	Current Qi (gpm)	August Qi (gpm)	% Current	% August 2005
887	11-Sep-1925	404		Beall Cr	300	260	74%	64%
836	3-Jun-1969	224		Ellis Cr	175	170	78%	76%
G1-23519C	30-Nov-1979	250	300	Wells 1 & 2	195	195	78%	78%
Total		878			670	625	76%	71%

Groundwater from the Vashon Aquifer (Qva) supplies the springs and creeks that enable the district's two surface water rights to be used throughout the dry summer months. Loss of recharge to the Qva groundwater would result in lesser water being available from Ellis and Beall Creeks during August and September.

Groundwater water level data monitored by King County Division of Land and Water Resources corroborates the district's estimates that stream flows will be low this coming summer.

King County Water District 19 serves approximately 40% of the population and most of its businesses. An inability to supply its customers would represent a significant hardship on the community.

The Morgan Hill Well, located in the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 8, Township 22 North, Range 3 East, was drilled in 1997. It is completed at a depth of 363 feet within a sand dominated aquifer that is separated from the Qva and groundwater that supports local surface water drainages by 70 feet of a clay-rich aquitard (from 210 to 280 feet depth). The casing and screen (25 feet from 335 to 360 feet) are 6 inches in diameter. A 26-hour well test in 1997 determined that the well can be sustainably operated at 40 gpm.

Six private wells were found within the vicinity of the Morgan Hill Well through a search of the Ecology well log database. Five of these private wells are completed in the Qva and the sixth was completed in 1981 with the same aquifer in which the Morgan Hill Well is completed. King County Division of Lands and Water Resources reports that the "Running Water - Vashon" Group B water system and at least one other well serving irrigation purposes are located within approximately $\frac{1}{4}$ mile of the Morgan Hill well site. These two wells are supplied by the shallower Qva aquifer.

The Morgan Hill Well was test pumped for 26 hours in 1997 under a preliminary permit for water right application G1-27779 to determine its potential to impair other areas water rights and surface water bodies. No impacts were reported by consultants AGI, Inc., and no complaints were filed by local well owners.

Decision

Ecology finds that King County Water District 19 is qualified under the requirements of Chapter 173-166 WAC for drought relief, that water is available and that the proposed drought emergency use of the Morgan Hill Well will not cause impairment of existing rights. Ecology therefore authorizes the King County Water District 19, subject to the following provisions, to utilize the Morgan Hill Well as an alternate source for its affected surface and groundwater rights.

Provisions

- This emergency drought authorization shall expire on October 31, 2005.
- The Morgan Hill Well withdrawal rate (Qi) shall not exceed 40 gallons per minute.
- The district shall inform the Bellevue offices of the Water Resources program in writing, and by telephone or electronic mail, of any complaints of impairment of other wells that are received from well owners in the Morgan Hill area.
- An approved measuring device shall be installed and maintained for Morgan Hill Well in accordance with the rule "Requirements for Measuring and Reporting Water Use", Chapter 173-173 WAC.
- Water use and water level data shall be recorded weekly. The maximum weekly instantaneous pumping rate, the weekly total volume, and weekly water level measurement shall be submitted to Ecology within 30 days of October 31, 2005, as part of a summary report providing a record of the drought usage of the Morgan Hill Well. An electronic copy (Excel spreadsheet or equivalent format preferred) of the well use data is requested.

- The following information shall be included with the submittal of the water use data report: owner, contact name if different, mailing address, daytime phone number, Drought Permit No., source name, volume including units, Department of Health WFI water system number and source, and the well tag number.
- Chapter 173-173 WAC describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed as a document entitled "Water Measurement Device Installation and Operation Requirements".
- Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.
- Information gathered as part of the data collection requirements of this permit can be used as documentation as part of Ecology's investigation of the district's application for a new water permit numbered G1-27779A for the Morgan Hill Well.
- This Order may be appealed pursuant to Chapter 43.21B RCW. Any person wishing to appeal this Order must file an appeal with the Pollution Control Hearings Board **within thirty (30) days of receipt of this Order**. Send the appeal to: Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. At the same time, a copy of the appeal **must** be sent to: Department of Ecology, Water Resources Appeals Coordinator, PO Box 47600, Olympia, Washington 98504-7600.

Sincerely,



Dan Swenson, Section Manager
Water Resources Program
Northwest Region Office

DS:DW:dh

Enclosures: Flow Meter Requirements
Your Right To Be Heard

cc: Curt Hart, Water Resources Program, HQ

"I certify that I mailed this letter or an identical copy thereof, postage prepaid, to the above addressee(s) this 29th day of April, 2005."

Deedee Holt (Signature)

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MR JEFFERY LAKIN

GENERAL MANAGER

Street, Apt. No.,
or PO Box No.

KING COUNTY WATER DISTRICT NO 19

City, State, ZIP+4

PO BOX T
VASHON WA 98070

PS Form 3800, June 2002

See Reverse for Instructions

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1. Article Addressed to:

MR JEFFERY LAKIN
GENERAL MANAGER
KING COUNTY WATER DISTRICT NO 19
PO BOX T
VASHON WA 98070

2. Article Number

(Transfer from service label)

7004 0750 0001 8363 5009

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Rosemary Shattuck☐ Agent☐ Addressee

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Rosemary Shattuck

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